

10015210/049257

JC10 Rec'd PCT/PTO 0 8 FEB 2002

MAT-8212US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	T. Sakuragawa et al.	: Art Unit:
Serial No.:	To Be Assigned	: Examiner:
Filed:	Herewith	:
FOR:	MULTI-FREQUENCY ANTENNA DUPLEXER	:

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231
S I R :

Prior to examination, please amend the above application as follows:

IN THE SPECIFICATION:

After the title and before the first paragraph, please insert the following paragraph:

THIS APPLICATION IS A U.S. NATIONAL PHASE APPLICATION OF
PCT INTERNATIONAL APPLICATION PCT/JP01/04820.

IN THE DRAWINGS:

Please delete page "9/9" of the drawings, also labeled as "Reference numerals in the drawings" in its entirety.

IN THE CLAIMS:

Please replace claims 2 and 9 with the following amended claims:

- 1 2. (As Amended) The multi-frequency antenna duplexer of claim 1, wherein
- 2 in each of the receiver SAW filters, a phase shift substrate for rotating a phase of a
- 3 transmission band of the each of said plurality of antenna duplexers including said
- 4 each of the receiver SAW filters is incorporated between the first piezoelectric

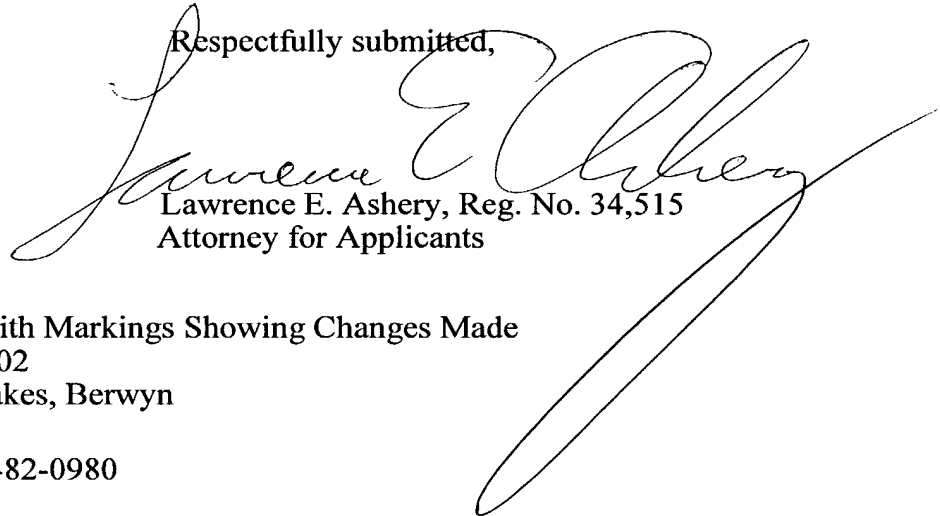
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substrate and the second piezoelectric substrate in the package.

9. (As Amended) The multi-frequency antenna duplexer of claim 8, wherein in each of the receiver SAW filters, a phase shift substrate for rotating a phase of a transmission band of the each of said two antenna duplexers including said each of the receiver SAW filter is incorporated between the first piezoelectric substrate and the second piezoelectric substrate in the package.

Respectfully submitted,



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Attorney for Applicants

LEA/lm

Enclosure: Version With Markings Showing Changes Made

Dated: February 8, 2002

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The Assistant Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

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Date of Deposit: February 8, 2002

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.



Kathleen Libby

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VERSION WITH MARKINGS SHOWING CHANGES MADE

SPECIFICATION:

After the title and before the first paragraph:

THIS APPLICATION IS A U.S. NATIONAL PHASE APPLICATION OF
PCT INTERNATIONAL APPLICATION PCT/JP01/04820.

CLAIMS:

1 2. (As Amended) The multi-frequency antenna duplexer of claim 1, wherein
2 in each of the receiver SAW filters, a phase shift substrate for rotating a phase of a
3 transmission band of ~~said multi-frequency antenna duplexer~~ the each of said
4 plurality of antenna duplexers including said each of the receiver SAW filters is
5 incorporated between the first piezoelectric substrate and the second piezoelectric
6 substrate in the package.

1 9. (As Amended) The multi-frequency antenna duplexer of claim 8, wherein in
2 each of the receiver SAW filters, a phase shift substrate for rotating a phase of a
3 transmission band of ~~said multi-frequency antenna duplexer~~ the each of said two
4 antenna duplexers including said each of the receiver SAW filter is incorporated
5 between the first piezoelectric substrate and the second piezoelectric substrate in
6 the package.